APPENDIX

Attached hereto is a substitute specification (in clean and marked up forms) and a new abstract.

ORDER MADE SYSTEM

FIELD OF THE INVENTION

The present invention relates to a made-to-order system in an electric commerce transaction.

BACKGROUND OF THE INVENTION

Conventional electric commerce transactions are similar to mail-order selling for ready-made articles. Changes are that the mail task is merely omitted, that ordering time and response time of acceptance or unacceptance corresponding to ordering time are shortened, and that the means of collecting charges is changed.

The following problems can be associated with electric commerce transactions for made-to-order articles.

Firstly, it is difficult to specify the requirement specifications of the customer, and therefore business negotiations may not be concluded or can cause future problems.

Secondly, risk of cancellation is large with the made-to-order articles and it is difficult to objectively judge whether responsibility lies with the customer or the business owner. In most cases, responsibility rests with the business owner's side.

Accordingly, in made-to-order transactions a reliable relationship between the shop clerk and the customer is indispensable.

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The reliable relationship includes the following requirements which are indispensable.

Firstly, business negotiations are concluded by complete allowance of the requirement specification of the customer.

Secondly, if a made-to-order product produced according to made-to-order is cancelled, it should incurable be known by the customer that it is difficult to resell the made-to-order product.

When the order is cancelled, it is objectively judged whether responsibility lies with the customer or the business owner. Then, the side that is found to be at fault may suffer penalties under civil law.

SUMMARY OF THE INVENTION

This invention has been made to solve the above problems, and it is therefore an object of the present invention to provide a made-to-order system in which made-to-order is concluded with a little risk while maintaining the simplicity of mail correspondence (e.g., catalog etc.), allowing transactions in a wide area, and further use of the speed of electric commerce.

According to the present invention, there is provided a made-to-order system which comprises an accepted order means; an accepted order content confirmation means; a design sample production means for producing design sample including image data based on specification data an accepted order; a design sample transmitting means for transmitting the design sample to a customer who ordered; and a confirmation means for confirming whether or

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not accepted order contract is accepted based on the design sample in an electric commerce transaction.

A contract based on the requirement specification of a customer is executed. If an ordered good produced according to contract is cancelled after that, the customer will know that it is difficult to resell the made-to-order product. If an ordered good is cancelled, problems will therefore not arise since the responsibility of the customer or business owner can objectively be judged.

Therefore, a made-to-order transaction can be concluded with little risk while maintaining the simplicity of mail correspondence, allowing transactions in a wide area, and further use of the speed of electric commerce.

According to the present invention, there is provided a made-to-order system, in which the system comprises the accepted order content confirmation means to be capable of specifying existence of special specification or content of special specification, a specific pattern; dimension; color; figure; and/or good name on a screen of homepage, and an image synthetic processing means for overlapping a database storing specification data of existing or new special specification and specific pattern so as to search them freely and specification data cited from the database with a half completed model image by a computer graphic.

Thereby, a design sample can immediately be presented so long as a specification pattern or content of special specification is not original.

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A design sample is displayed with little effort if specification is clear even if specification pattern or menu of special specification is original.

Further, since a design sample once established is added to database, it becomes possible to instantaneously present a design sample for same or similar specification.

Therefore, since new repertory increases by continuing business, it is possible to expect further development of made-to-order goods.

According to the present invention, there is provided a made-to-order system in which the system comprises a manufacturing arrangement means for having a manufacturing instruction form in which a design sample is presented.

Thereby, the manufacturing arrangement is speedy and accurately available corresponding to the order.

According to the present invention, there is provided a made-to-order system in which the system deals with a stage good for festival or various events.

Thereby, it is possible to cheaply provide a high quality product in a short scheduled delivery date for decreasing trouble and the time required to get a large quantity of an agreed accepted order contract.

Therefore, it is possible to deal with the special demands associated with a stage good of, including the tendency to have prominent demand at a far place in a limited period.

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According to the present invention, there is provided a made-to-order system in which a family crest is put on a product.

Thereby, traditional feeling is easily satisfied.

According to the present invention, there is provided a made-to-order system in which one or more letters are put on a product to be applied. Thereby, traditional feeling is easily satisfied.

According to the present invention, there is provided a made-to-order system in which the system comprises:

an accepted order means for accepting order of design creation for a background design to be displayed on a display screen provided on the portable remote terminal; and

a fee collection means for collecting a fee for producing design of the image data by downloading image data of design creation created according to the ordering to the portable remote terminal by a customer or a fee for distributing an existing design in an information communication system being capable of using a portable remote terminal which can access Internet.

Thereby, the customer who uses the portable remote terminal can easily order charge design to set the dedicated or favorite the wallpaper background design in the display screen, ordered content is instantaneously displayed on the display screen of portable remote terminal, and displayed order is fixed.

According to the present invention, there is provided a made-to-order system in which the system comprises an image for producing means of a slip of paper printed with the name of a pilgrim

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for supplying a design in which a character or letter that the customer desires is written and design has taste of the slip of paper printed with the name of the pilgrim.

Thereby, a design having a taste of the traditional is instantly displayed on a display screen of the portable remote terminal to a person interested in a Japanese festival of Shinto shrine, and the design is fixed. Therefore, sales promotion of the design is available according to elevation in the festival feeling.

The above and other objects, features, and advantages of the invention will become more apparent from the following description when taken in conjunction with the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a block diagram showing a configuration of made-to-order system connected with an information terminal.

FIG. 2A shows a logical configuration diagram of a customer database in the made-to-order system of FIG. 1.

FIG. 2B shows a logical configuration diagram of a model database.

FIG. 2C shows a logical configuration diagram of an accepted order history database.

FIG. 3A is a diagram of homepage screen of an electric commerce transaction in the made-to-order system of FIG. 1.

FIG. 3B is a diagram of a screen of a customer registration page.

FIG. 4A is a diagram of a screen of a base good selection/order entrance page in the made-to-order system of FIG. 1.

FIG. 4B is a diagram of a screen of a specification selection page.

FIG. 5 is a diagram of screen of an order confirmation in the made-to-order system of FIG. 1.

FIG. 6 is a flowchart of an order in the made-to-order system of FIG. 1.

FIG. 7 is a sequence chart when customer registration is made in the made-to-order system of FIG. 1.

FIG. 8 is a sequence chart when a registered customer selects a model and downloads design sample data in the made-to-order system of FIG. 1.

DESCRIPTION OF THE PREFERRED EMBODIMENT

Embodiments of made-to-order systems are described below and refer to drawings.

FIG. 1 is block diagram showing an example configuration of a made-to-order system connected with an information terminal.

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As shown in FIG. 1, made-to-order system 1 is system in which made-to-order management server SV of a business owner is at the core. Articles or designs are sold between the made-to-order system 1 and an information terminal T of a customer by the Internet. Homepage 500 of "Nakagawa of made-to-order" is opened (See FIG. 3).

Customer accesses homepage 500 with the information terminal T, interchanges necessary information for made-to-order management server SV, image-sets goods specifications as desired instantaneously or in a short time, and carries out the accepted order after having looked at a design sample.

Items to be sold in the present embodiment are mainly stage goods of festival and various events. Items include a lantern, slip of paper printed with name of pilgrim (will be described hereinafter), name seal of slip of paper printed with name of the pilgrim style, strap for cellular phone, jacket, shirt with neck of carp mouth (will be described hereinafter), long underwear, long underwear with pattern, waistcoat having front but no back, Japanese towel, tabi (Japanese socks), straw sandal, fan, or band, which are related to the Japanese festival of Shinto shrine.

"Slip of paper printed with name of pilgrim" is a card such as an "Incantation slip" sold during the Japanese festival of Shinto shrine, and the slip is made of paper whose size is length of 17.2 cm. x 5.7 cm in an rectangular shape, as one example. There is a "Slip of paper printed with name of pilgrim" in which a frame is drawn on a surface, a ground color of inside of frame is colored in red, green, yellow, and dark-blue etc. and an Edo letter of "Asakusa/shops lining passageway," "Asakusa/Kaminari-mon,"

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"Three festivals," "Do business," "Fifth group (character of matoi)" or the like, or drawing pattern is drawn in black. There is a design which is copied to other accessories in basis of the Edo letter or pattern of drawing drawn in black.

"Shirt with carp mouth shaped neck" is a kind of stage clothes with a pattern, round neck, semi-long sleeves, front button, and is worn by person who carries a portable shrine "MIKOSHI" at festivals. There is "Tattoo shirt" with a pattern on whole, which tattoo is imaged without a front button.

These are sold in general marketing and "Made-to-order products" raise additional value and are sold more easily and reasonably by putting a unique name or pattern of a drawing and family crest.

As shown in FIG. 1, the made-to-order management server SV includes a main control device SV1, memory device SV2, input/output device SV3, and communication control device SV4 connected to bass SV5.

Main control device SV1 includes a MPU (Micro Processing Unit) and RAM (Random Access Memory) etc., and controls the made-to-order management server SV. In main control unit SV1, a WWW Server program, model selection means, accepted order means, accepted order contract confirmation means, design sample producing means, customer management means, authentication means, manufacturing arrangement means, DB management means etc. are started. ("DB" is abbreviation of database.)

Memory device SV2 can include a hard disk device and optic magneto disk device, etc. Memory device SV2 stores customer DB

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100, model DB 200, design sample DB, accepted order contract DB, homepage data, accepted order history DB 300, accepted order candidate DB, etc., so as to allow each database to be searched freely.

Keyboard, mouse, and display device, etc. are connected to input/output device SV3 via I/O device. Communication control unit SV4 can include a modem and DSU (Digital Service Unit) etc., and implements transmission and receipt of information by the Internet.

A WWW server program is the base program providing various kinds of information between the server on the Internet or customer (information terminal T) by HTTP (Hyper Text Transfer Protocol) and getting various kinds of information.

Model selection means selects items of good to be ordered, e.g., a lantern or tabi, based on requirements transmitted from information terminal T of the customer, and prepares for setting concrete and detailed specifications.

To set a specification not only includes specification of color or figure, but also includes shape or dimension and special specification of good. That is, any range can be set due to sufficient DB if range is matched to range of business.

The model selection sample means obtains image data of a design sample in which the other specification is colored in model in model of selected good and image data of design sample specification image synthesized by computer graphic and functions to download data to desired information terminal T (See FIG. 6).

The accepted order means is program to accept order from information terminal T of customer.

There are programs of customer management means, authentication means, design sample producing means, accepted order contract confirmation means and manufacturing arrangement means which operate to associate with the accept order means and on the made-to-order system (hereinafter referred to as present system).

The customer management means includes collecting fees by association with fee collection means (not shown) and security is managed with well-known authentication means by ID number and password.

The accepted order contract confirmation means comprises a program in which a design sample which requirement specification of customer of made-to-order is sufficiently taken into consideration, which is a picture explained by a pattern of a drawing colored requirement specification etc. and which is displayed by a design sample producing means, and a ledger which indicates unit price, quantity, scheduled delivery date, and other commerce transaction conditions.

The manufacturing arrangement means corrects the description on the ledger determined by the program of the accepted order contract confirmation means and delivers a printed note into the manufacturing studio or transmits it by e-mail.

Price, scheduled delivery date, and place to be delivered etc. are slightly corrected on accepted order contract verification contracted between customer and business owner (it is not limited

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to paper). There is a program to translate the corrected accept order contract verification into the manufacturing instruction document (it is not limited to paper). Although a predetermined gap for price and scheduled delivery date to be presented between the customer and manufacturing studio is provided, specification and quantity therebetween are the same.

The DB management means functions to register data to each DB and update data which has been registered. For example, data is registered to customer DB 100 via this DB management means when a new customer is registered.

FIG. 2A shows a logical configuration diagram of a customer DB, FIG. 2B shows a logical configuration diagram of a model DB, and FIG. 2C shows a logical configuration diagram of an accepted order history DB.

Customer DB 100 includes items (fields) of customer code, company name, address, name of a handling person, keyboard number, email address, customer ID, and password as shown in FIG. 2A. Customer ID is set to MASAONAKAGAWA and password to 7877X etc. and, within limits, numbers and letters for the customer ID are automatically assigned at business owner's side.

Since fee settlement is carried out by fee collection means connected directly with an automatic deduction machine (not shown), fee collection of the system is based on the known practice of commerce transactions performed on the Internet.

Although the system is linked to a place to which the product is to be sent, it is desirable to be able to set another field

taking into consideration the case where the address to be sent to is different from the aforementioned address.

In short, it preferably has a field to set information for special circumstances.

FIG. 2B is logical configuration diagram of a model DB having fields of model code, good name, good number, ground color, dimension, font, kind of letter, family crest, special specification, file name and unit price. Fields can increase and decrease if required. Good name and good number are categories, and from ground color to special specification are specifications. The model DB 200 is set according to business content. In other words, model DB 200 is a "Half completed model image for made-to-order."

A "design sample" is made by image synthesizing a "Half completion" into an "Image of completed product."

Concrete means of image synthesis can supplement graphics of all design samples by simple software or a developed combination of software having functions of general-purpose computer graphics used at a design office etc. or software having graphic functions similar to this software.

However, the immediate conclusion of the business negotiation is not reached in the interaction between the customer and this system, and some operation time is required since operation by a dedicated operator is required.

Simple specialization is configured such that graphics of the design sample of the made-to-order good which customer desires

(not shown) is completed by instructing at several times with known mouse and keyboard from information terminal T and confirmation is instantaneously made by customer at sight (See FIG. 4). Customer can adeptly conclude business negotiation in interactive form between customer and the present system.

The made-to-order system includes a self-learning function which contributes to production planning and goods projects for every season since trends of demand can be identified by stocking accepted order history DB 300 as shown in FIG. 2C.

In particular, it is possible to instantaneously deal with repetition ordering to specify identified design samples.

If the customer is known, the person is identified as a "Recommend good," which is introduced only when the customer name at time of serving is recognized.

"Already approve" of a design sample in FIG. 2C means that the design sample with which the business owner is presented is matched to a made-to-order specification of the customer and is approved. "Already transmit" means the state where the design sample with which business owner is presented is transmitted to the customer and approval is pending.

"During confirming specification" means the state where the made-to-order specification is not agreed between the customer and business owner.

In this case, the made-to-order system 1 also needs business owner assistance.

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The negotiation skills of a salesman are limited to only cases where conclusion of the business negotiation with the computer is difficult. Therefore, the business owner can concentrate on business sales in a global range or on original good projects.

Each homepage of the electric commerce transaction in made-to-order system 1 of FIG. 1 is described in conjunction with FIGS. 3 to 5.

FIG. 3A is a diagram of a homepage screen of electric commerce transaction and FIG. 3B is a diagram of a screen of a customer registration page. FIG. 4A is a diagram of a screen of a base good selection/order entrance page and FIG. 4B is a diagram of a screen of a specification selection page. FIG. 5 is a diagram of a screen of an order confirmation page.

Homepage 500 is opened with the title of "Nakagawa of made-to-order" as shown in FIG. 3A. The overall dealing contract condition etc., for example, "Manufacturing arrangement is made after payment in advance is confirmed and paying back is not basically admitted with respect to made-to-order" in electric commerce transaction is mentioned on a screen of "Information for first customer." Business negotiations with made-to-order system 1 are started by the customer clicking a mouse button of "Agree" in this screen.

If the customer does not agree, it is possible to close homepage 500 since button "Disagree" is linked to a homepage of suitable search engine, etc.

The screen is configured as shown in FIGS. 4A and 4B by receiving input of a customer ID and password and by clicking the

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mouse button of "Authentication" by the customer who already has a customer ID on the blank of "Customer having had customer ID," and business negotiations with made-to-order system 1 are started.

The business approach is in keeping with level of trust, priority of a deferred payment is given to customer having a customer ID, who is distinguished from a customer who starts from the blank "Information for first customer" screen.

This distinction is managed by customer DB 100 and various kinds of dealing conditions: judgment reference should be applied in usual commerce transaction, is stored.

Predetermined customer registration information is input into each blank in FIG. 3B.

Security protection is provided since information is associated with the fee collection means (not shown).

When customer has input the predetermined information, the screen goes to FIG. 4A by clicking of the mouse button on "Transmission." When customer clicks the mouse button on "Return," the screen returns to homepage 500 in FIG. 3A.

This screen is used not only for first customers but also for other procedures such as to update input customer registration information.

The screen of base good selection/order entrance page 520 includes fields of "1. Base good is newly selected.," "2. Good ordered in past is reordered." and "3. Good previously downloaded is ordered.". These are linked to corresponding pages. For example,

when number 1 in FIG. 4A is mouse clicked, the base good selection screen is provided.

In detail, customer selects between, for example, number 1. "Lantern" 2. "Slip of paper printed with name of pilgrim" 3. "Jacket" 4. "Shirt with neck of carp mouth shape" 5. "Long underwear" 6. "Long underwear with pattern" 7. "Waistcoat having a front but no back" 8. "Japanese towel" 9. "Tabi" 10. "Straw sandal" 11. "Name seal" 12. "Strap for cellular phone" on the screen, which presents the option of good groups along with business content.

Next, the screen goes to specification selection page 530 in FIG. 4B and the customer determines goods specifications which are desired with the specification selection form.

"Base good selection" means preparation stage, which is the state where a rough sketch of coloring is presented as well as drawing patterns and colorings. If "Lantern" of aforementioned item 1 is selected, "Odawara" of (1) kind of lantern is selected, "Buttery type" of (2) light type is selected, "White" of (3) ground is selected, "Real size" of (4) dimension is selected, "Edo letter and family crest" of (5) kind of letter is selected, an "Family name" in black and [Hidari mitsudomoe] such as clover mark of kind of family crest in black" of (6) font color is selected on "Specification selection form" in FIG. 4B, the customer clicks the mouse button on "Selection" when the customer confirms these specifications on the selection screen.

"Odawara lantern of unit price * * yen was selected" is displayed on "Confirmation of design specification" at lower portion of screen in FIG. 4B, the design sample which the customer

desires ("Design specification figure" or "Design sample" is called) is imaged with computer graphics and the customer judges the design sample by mouse-clicking the "Download" button.

Since the lantern on which the family crest and family name are written is just to write the font which customer specifies on a half completed product, the time required to present several kinds from model DB 200 and to image-synthesize the different kinds is not required. Therefore, the customer can confirm specification of ordering content in interactive form with the unmanned made-to-order system 1, which can be located remotely from the information terminal T of the customer.

"Design" and "Design" can have the same meaning. However, a "Design" is displayed on the screen which the customer looks at directly so as to easily understand and "Design" includes the meaning of "Plan" provided by customer that can be interpreted.

The screen is switched into ordering confirmation page 540 shown in FIG. 5 the decision of the customer is almost made by mouse-clicking the ordering schedule button on bottom left of specification selection page 530. Content of the specification selection page 530 is already reflected on the ordering confirmation page 540 screen in FIG. 5.

Ordering confirmation page 540 as shown in FIG. 5 corresponds to the accepted order content confirmation means and includes ordering confirmation ledger, start button of confirmation, recalculation button, and ordering button. The ordering confirmation ledger has fields such as good name, unit price, unit

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number, amount, cancel, design sample, and total amount. The number of these fields can increase and decrease if required.

The good indicated on ordering confirmation ledger is the good from the specification selection page 530.

Necessary corrections can be made on this screen by mouse-clicking buttons of unit number, cancel, or design sample if changing or canceling of the description in the ordering confirmation forms is required. For example, if an increase in quantity from one to five is desired, the cursor is moved to the corresponding button and the number is corrected.

If the recalculation button is pushed afterwards, the total amount is correctly recalculated and is displayed.

The entire line of the corresponding good is cancelled by mouse-clicking the cancel button if desired. The total amount is correctly recalculated and is displayed when the recalculation button is pushed afterwards.

When the "√" checkmark is displayed on the field of the design sample, approval has already been made for the design sample at that time and this means there is record regarding which customer bought this good in past. When the "√" checkmark is not displayed, it is desirable to reconfirm authorization of a new design sample by returning the screen to the specification selection page 530 in FIG. 4B since there is no record which customer bought this good in past.

The screen is switched from the ordering confirmation page 540 to the specification selecting page 520 etc. by providing means

other than by mouse-clicking a design sample. When the "√" checkmark is not displayed on the field of a design sample, any confirmation means passes and whether or not the order can be made after confirmation means passes can be set up in the program of made-to-order system 1.

It is desirable to require double action to avoid careless error by using a cursor field that changes into a highlight state. Finally, the overall confirmation is completed when cursor reaches a bottom line or lower right of the last of ordering confirmation page 540.

Ordering is carried out by mouse-clicking the order button.

There are fields of date when delivery is required and address to be delivered after address is changed at lower portion of ordering confirmation page 540. The customer writes date when delivery is required when ordering the good, the address to be delivered is automatically displayed from accepted order history DB 300 if one exists and address to be delivered is automatically displayed by citing data from customer DB100 if there is, and the customer confirms the date and address for every order.

Since procedures etc. for connection of the information terminal T to the Internet to access the homepage of the made-to-order system 1 and for disconnection of information terminal T from the network after completing ordering are known, they are omitted.

Customer accesses homepage 500, judges whether or not he agrees to basic rules for methods of payment (not shown) mentioned in information for first customer (S12), and mouse-clicks the agree

button in homepage 500 when he agrees. The screen of base good selection/ordering entrance page 520 is displayed and business negotiations of both the customer and made-to-order system 1 in interactive form are started.

Since handling of customer registration, customer ID and password is known, it is omitted.

If customer mouse-clicks "Disagree" button, disconnection to home page 500 in made-to-order system 1 is performed, and then linkage connection to appropriate search engine screen, etc. (not shown) is performed and access is finished.

If base good of field 1 is selected by mouse-clicking button or pushing keyboard at base good selection/ordering entrance page 520, a good is selected at a base good selection screen.

The customer selects between, for example, "Lantern" or "Tabi" on screen where he option of groups of goods along with business content is displayed.

When the customer determines a desired good specification with the specification selection form at the specification selection page 530 (S13), he mouse clicks the selection button if he decides to confirm the good specification (S14).

If download is necessary to judge the design sample (S15), the download is performed (516). The customer reviews the design sample (S17), confirms ordering on the screen at the ordering confirmation page 540 (S19) if the design sample is met (S18), and judges whether or not there is any additional goods to order (S20). If there is an addition, the screen returns to the base

good selection/ordering entrance page 520 or specification selection page 530, the customer determines additional good specifications which he desires with the specification selection form (S13).

The customer then judges whether or not correction of ordering content is necessary (S21); the screen returns to ordering confirmation page 540 or specification selection page 530 if correction is necessary; and he corrects, cancels or reinputs ordering content (S26). Part of the title of ordering confirmation page 540 is changed to "Accepted order verification" by requiring the issuance of the accepted order contract (S27) if issuance of accepted order contract is necessary (S22). Image information in which the design sample already approved is mentioned on same page (not shown) and can be printed out may be taken out from information terminal T of the customer. Whether or not he prints out accepted order verification is up to the decision of the customer, and does not affect the business owner of made-to-order system 1, and content of the accepted order is confirmed on the system regardless of presence of a printed-paper of accepted order verification.

Although ordering confirmation page 540 is displayed at many times while sequential ordering procedures from (S12) to (S22) pass, ordering is made by mouse-clicking "Order" button at ordering confirmation page 540 (S23) when the customer ordering plan ripens and the customer wishes to express his intention to complete the order.

The information of the made-to-order customer is easily and accurately sent to the business owner via the made-to-order system 1.

If the selection of the goods specification does not meet the customer's desires as a result of judgment at step (S24) or step (S25) in the flowchart shown in FIG. 6, the procedure returns to the good and good specification and it is possible to rework or stop specification decision making.

It is desirable to create a rule that once a made-to-order good in which a design sample has been sufficiently been reviewed (S18) and made-to-order has been ordered (S23), the good cannot be cancelled on homepage 500.

Operation when customer registration is made is described referring to the sequence chart of FIG. 7. Reference numerals from S31 to S40 described below show each step in the sequence chart of FIG. 7.

Access requirements to homepage 500 are performed by inputting the URL of the made-to-order system 1 with information terminal T close at hand (S31). Made-to-order management server SV transmits the homepage data to information terminal T according to its requirement (S32). Homepage 500 is displayed on information terminal T of the customer by this transmission (S33).

The customer registration page display requirement is made against the made-to-order management server SV by customer registration button of homepage 500 (S34). Data of customer registration page 510 returns to information terminal T (S35) and customer registration page 510 is displayed (S36). The customer inputs customer registration information such as company name, address, name of a handling person, keyboard number, e-mail address, and other (not shown) into information terminal T along customer

registration form and transmits information to made-to-order management server SV (S37).

If his mind is changed before information is transmitted, the screen is returned to homepage 500 from customer registration page 510 by pushing the "Return" button, and information terminal T is disconnected from homepage 500 when the button "Disagree" is pushed and homepage 500 is closed.

Made-to-order management server SV may assign customer ID/password generation (S38) semi-automatically or self-identification of the code by the customer may be reflected.

Priority of dealing is ranked for customers for which a customer ID/password is assigned based on known customer management means and close communication between the customer and made-to-order management server SV is allowed by customer ID/password inputted into field of authentication information of homepage 500 for every access and by pushing "Authentication button."

Customer registration information is previously registered to customer DB100 so as to search information freely (S39) and is updated. Since customer DB100 records the address where product is sent to and the address to be contracted, direct mail can be made.

The operation when registered customer selects model and downloads design sample data is described referring to the sequence chart of FIG. 8. Numerals S51 to S67 show each step in the sequence chart of FIG. 8.

The customer accesses homepage 500 by information terminal T, made-to-order system 1 is displayed on information terminal T (S51), authentication information is transmitted from information terminal T to made-to-order management server SV by inputting customer ID/password and by pushing "Authentication button" (S52), transmitted information is compared with customer data in which customer data-based 100 in made-to-order management server SV, authentication is made if data is matched to pertinent person (S53), and communication of customer with made-to-order management server SV are allowed afterward.

Data of the base good selection/order entrance page 520 returns to information terminal T from made-to-order management server SV (S54) and the base good selection/order entrance page 520 is displayed on information terminal T (S55).

the Category selection page data returns to information terminal T from made-to-order management server SV (S57) and the category selection page (not shown) is displayed (S58) if the new selection of base good is required (S56).

Category selection information which the customer designates, for example, "Lantern," is transmitted from information terminal T to made-to-order management server SV (S59), data of the specification selection page 530 corresponding to "Lantern" returns (S60) and the specification selection page 530 is displayed on information terminal T (S61).

The selection reply of "Odawara lantern .Yen.* * * with real size" etc., that is, acceptance information returns (S63) and the selected good is displayed on lower portion of specification

selection page 530 (S64) if the customer input specification selection information on screen in aforementioned manner and information is transmitted from information terminal T to made-to-order management server SV (S62).

The design sample and the displayed description of ordering confirmation page 540 established on the business owner side at this stage are stored as the accepted order candidate (S66), and the design sample is downloaded to information terminal T (S67) if the customer transmits the download requirement to made-to-order management server SV by pushing the button of the download of specification selection page 530 (S65).

Subject matter of present invention is that the good specification which the customer desires is mutually understood in easy and interactive form by communication of information terminal T with made-to-order management server SV, the design sample is downloaded to information terminal T (S67) and confirmation means for confirmation whether or not accepted order contract based on design sample is provided. Therefore, the present invention can be applied to any goods if the aforementioned subject matter is utilized.

The made-to-order system is available in information communication system which being capable of using a portable remote terminal which can access the Internet as another embodiment of the present invention.

One novel design is made-to-order background wallpaper for the display screen of the portable remote terminal being used

(background wall paper is the background for the liquid crystal screen).

A simplified specification selection page 530 for the actual good of the aforementioned lantern etc. is sufficient as the accepted order means to accept the order of the design creation for design of the background to be displayed on the screen for the portable remote terminal.

Made-to-order system is configured such that the desired image is instantaneously displayed on screen by downloading the creation or image data of the design from the database to the portable terminal by the customer according to order in which, for example, "Asakusa/Nakaya" is written on slip of paper printed with name of pilgrim in Edo letter.

Fee collection means to collect design creation fee for image data according to downloading or distributing design fee for existing design is provided.

There is little problems associated with even with simple dealings, which is different from the case where comparatively expensive articles are sold as mentioned above with respect to the means of the customer downloaded the image data. Rather, the made-to-order system is configured such that there it can be used easily.